

SECTION 2-1

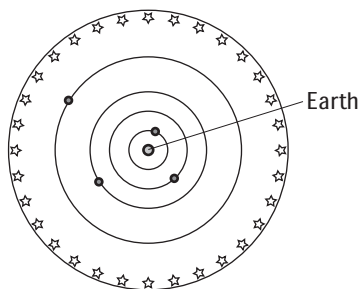
REVIEW AND REINFORCE

Observing the Solar System

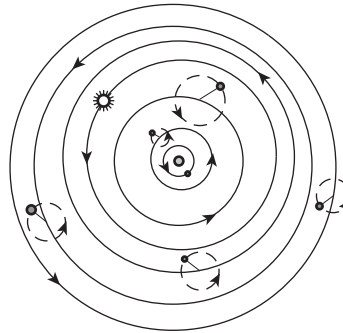
◆ Understanding Main Ideas

Answer the following questions on a separate sheet of paper.

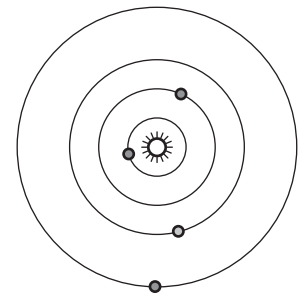
Ancient Greek Model



Ptolemy's Geocentric Model



Copernicus' Heliocentric Model



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1. What is the main difference between the geocentric and heliocentric models of planetary motion?

2. What was Ptolemy trying to explain in his model by having the planets move on smaller circles that move on bigger circles?

3. How did Galileo's observations of Jupiter and Venus support Copernicus' model?

4. How do gravity and inertia keep the planets in orbit around the sun?

◆ Building Vocabulary

Fill in each blank to complete each statement.

5. The sun-centered system of planets developed by Copernicus is an example of a(n) _____ model.
6. Kepler discovered that the orbit of each planet is a(n) _____ rather than a circle.
7. An object's _____ tends to keep a moving object continuing in a straight line and a stationary object in place.
8. An Earth-centered system of planets is known as a(n) _____ model.